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wherein said mounting member is an optical waveguide for guiding light emitted from said optical element or light admitted to said optical element.

4. (Four Times Amended) An optical module comprising:

an optical element for emitting or admitting light;

an optical waveguide entirely made of glass, having a core and a cladding

formed therein and having a principal surface, with said optical element mounted on said principal surface, for guiding light emitted from said optical element or light admitted to said optical element, said cladding having its surface to form said principal surface in whole; and

a semiconductor element driving said optical element, said semiconductor element mounted on said principal surface.

17. (Four Times Amended) An optical module comprising:

an optical element;

a mounting member, said mounting member entirely made of glass and having

a core and a cladding formed therein to have a function of an optical waveguide for guiding light emitted from said optical element or light admitted to said optical element, said mounting member electrically connected to said optical element or a semiconductor element associated with said optical element, said mounting member having a principal surface, said cladding having its surface to form said principal surface in whole; and

a semiconductor element driving said optical element, said semiconductor element mounted on said principal surface.